Supplementary figures

Seasonal streamflow forecasts for Europe – I. Explanation of the skill

Wouter Greuell, Wietse H. P. Franssen and Ronald W. A. Hutjes

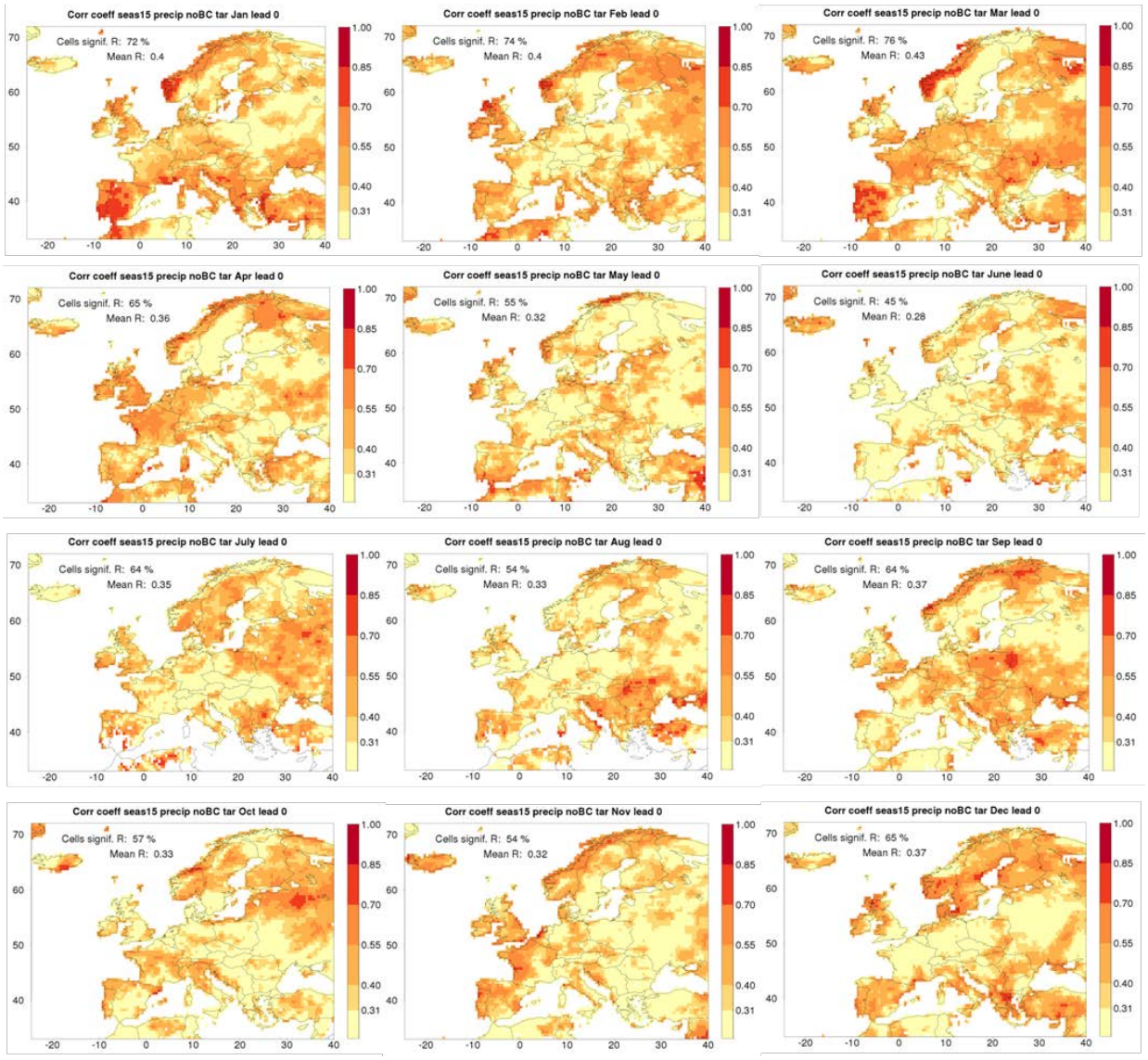


Figure S1: This figure supplements Fig. 1a by showing the skill in the precipitation hindcasts for all months of the year as lead month 0. More explanation is given in the caption of Figure 1.

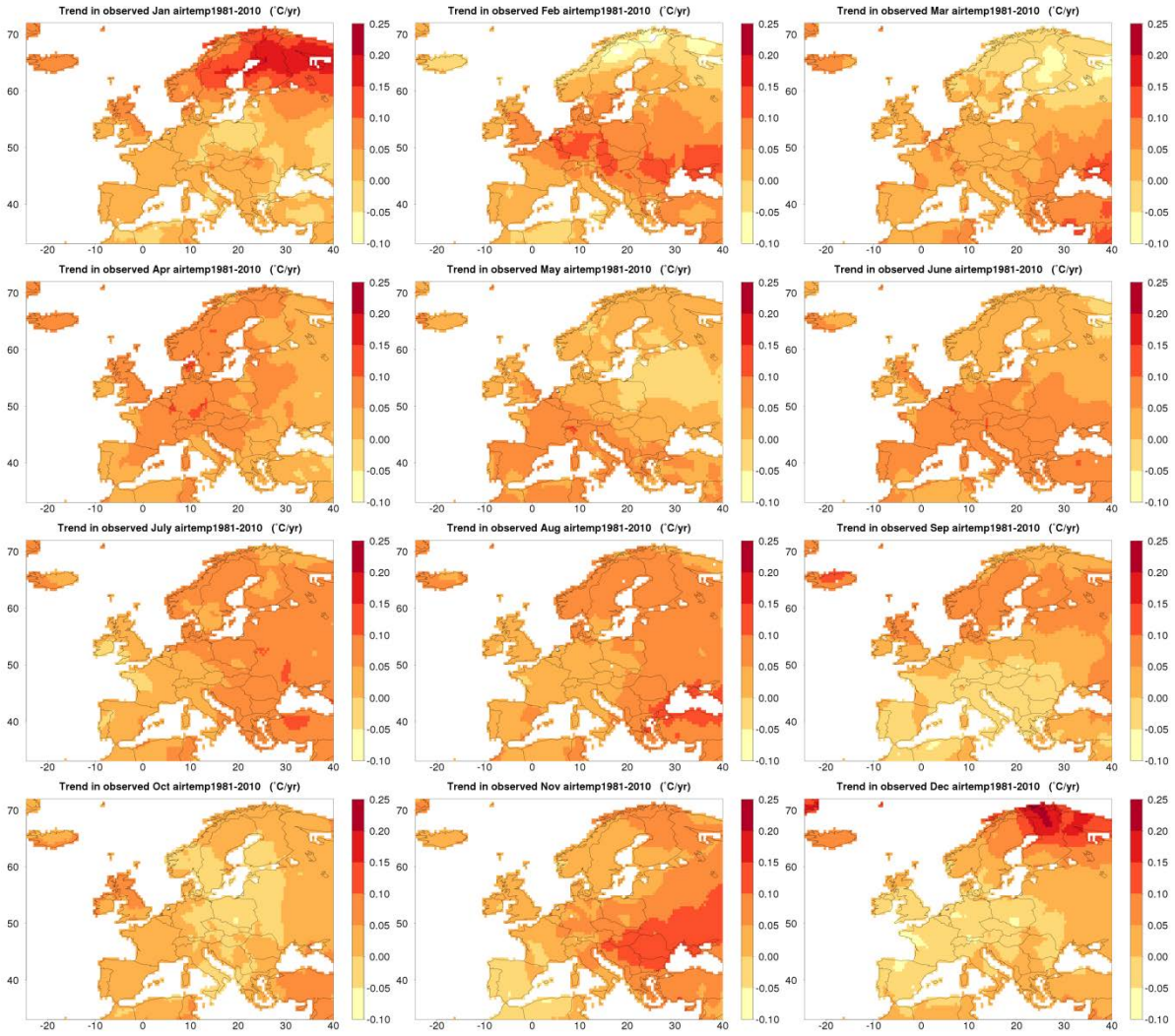


Figure S2: This figure supplements Fig. 2 by showing the trend (1981-2010) in the observed (WFDEI) two meter temperature for all months of the year.

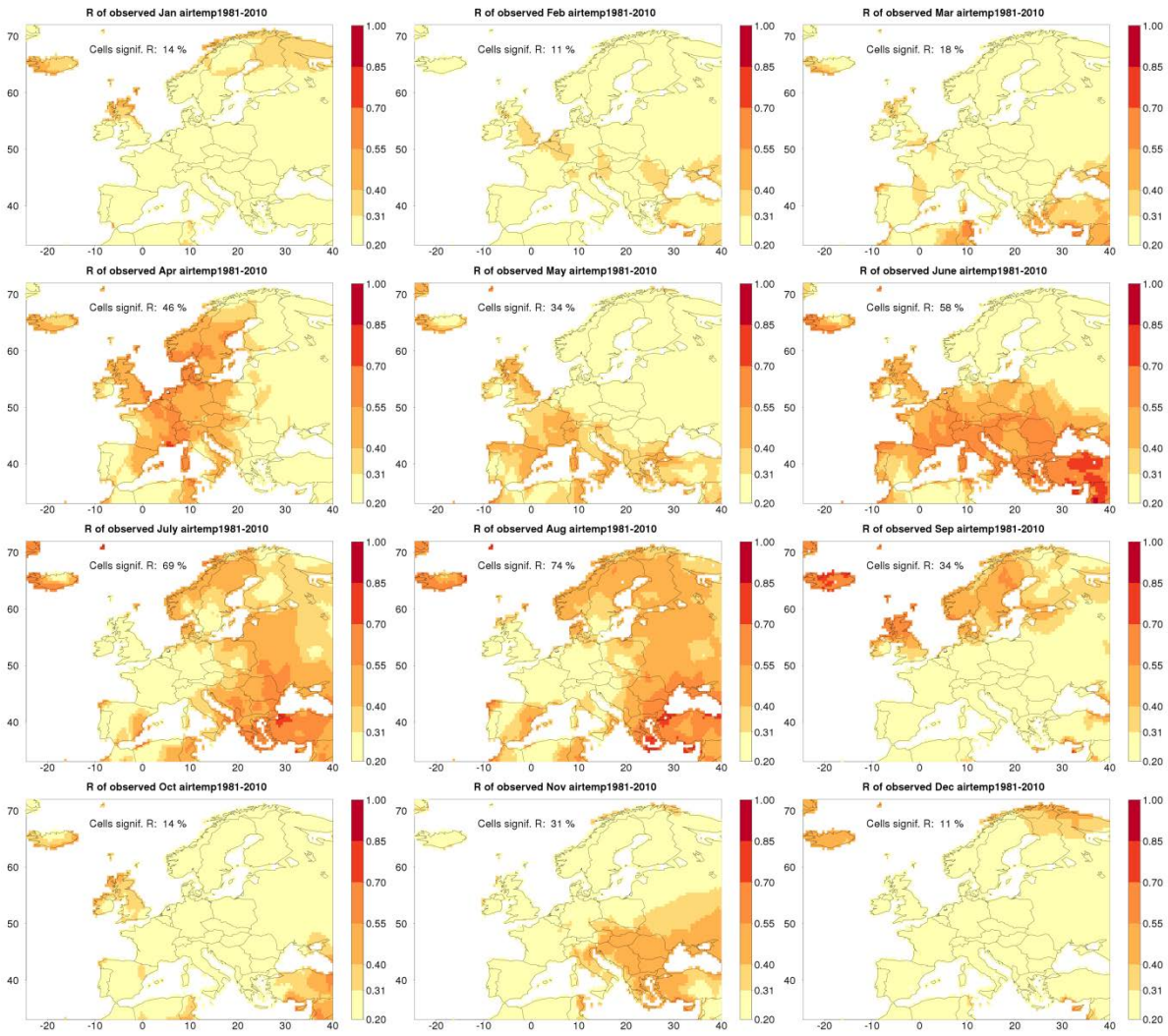


Figure S3: This figure supplements Figs. 2f and 2i by showing the correlation coefficient of the trend (1981-2010) in the observed (WFDEI) two meter temperature for all months of the year.

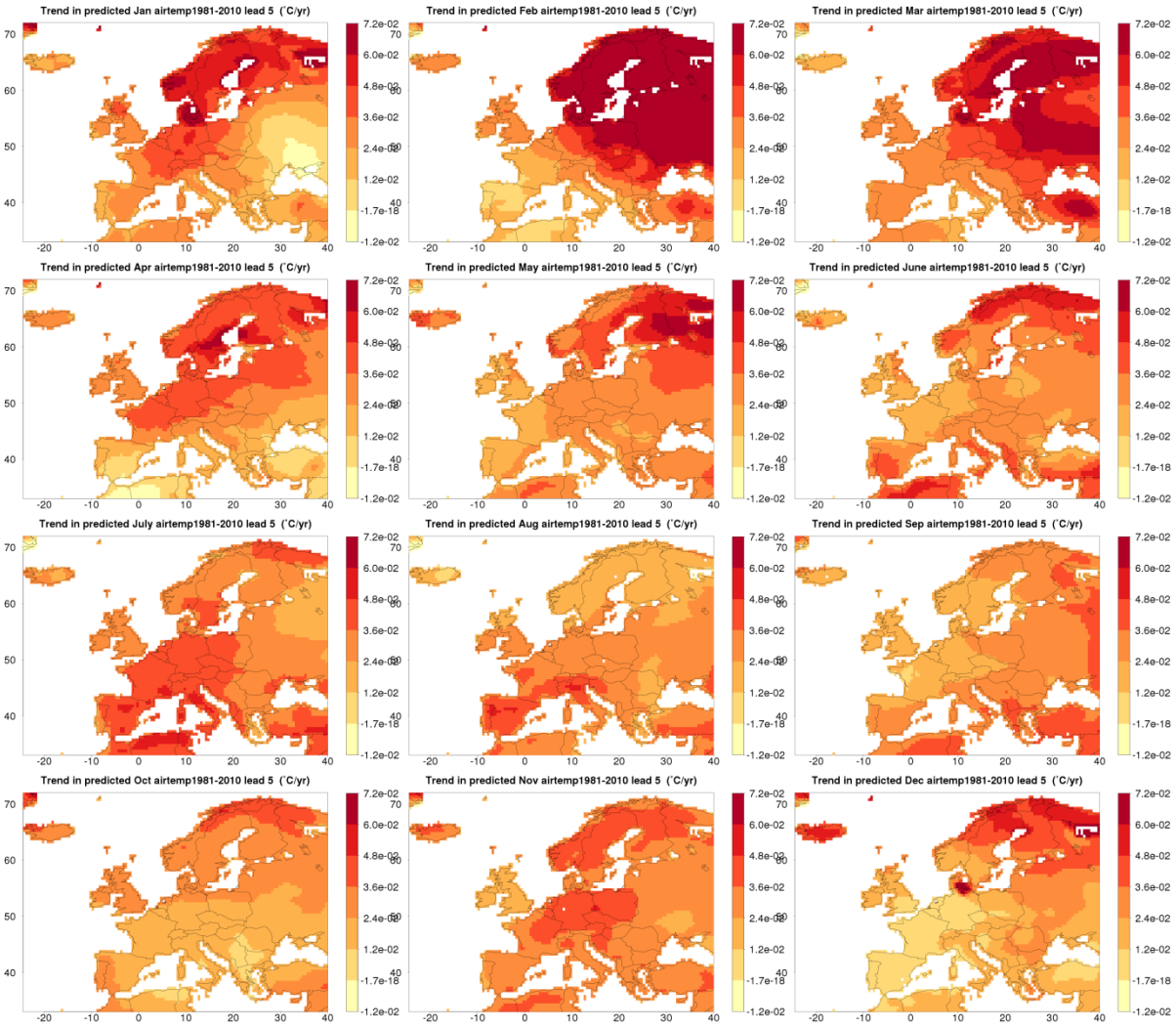


Figure S4: This figure supplements Fig. 2 by showing the trend (1981-2010) in the hindcasts of the two meter temperature for all months of the year as lead month 5.

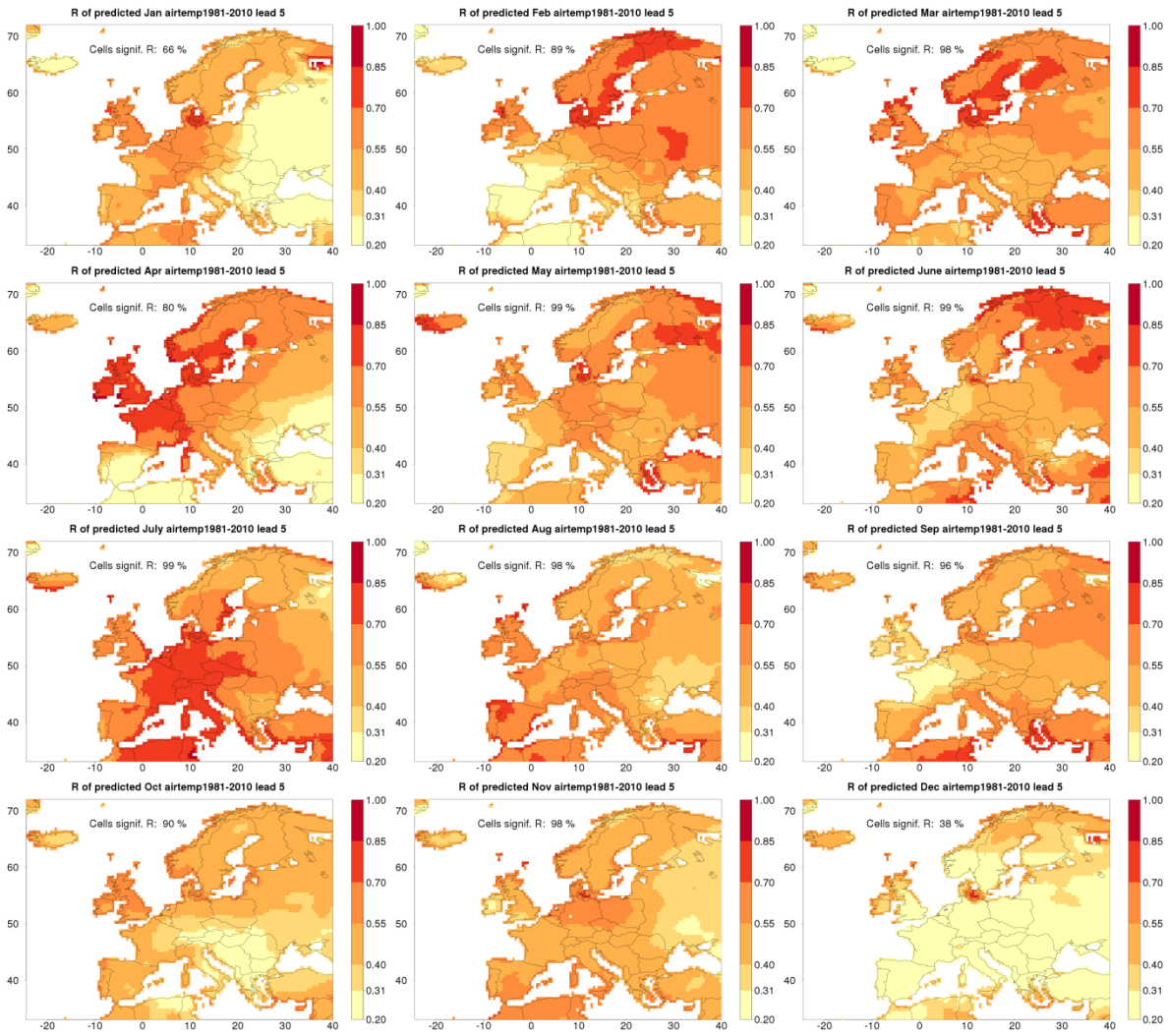
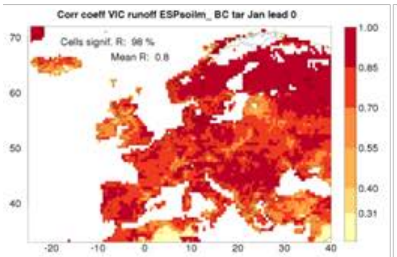
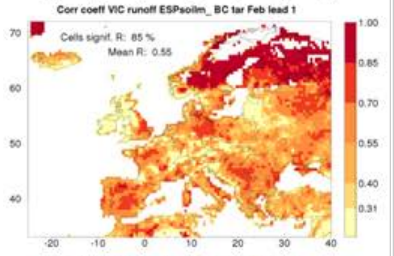


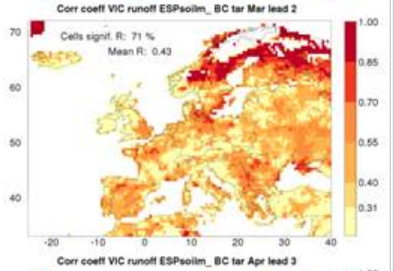
Figure S5: This figure supplements Fig. 2h by showing the correlation coefficient of the trend (1981-2010) in the hindcasts of the two meter temperature for all months of the year as lead month 5.

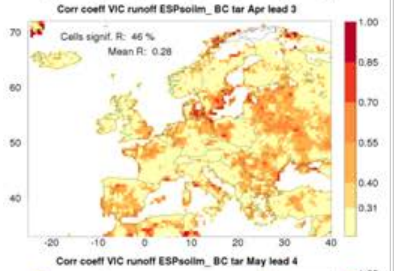
Figure S6: This figure (next 4 pages) shows the skill of the runoff hindcasts resulting from the *ESPsoilm* experiment for all target and lead months. Note that each column represents all hindcasts initialised in the same month for, from top to bottom, the seven different lead months. More explanation is given in the caption of Fig. 1a.

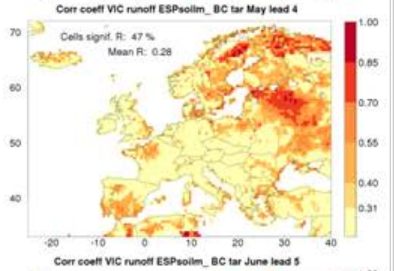
Initialisation January

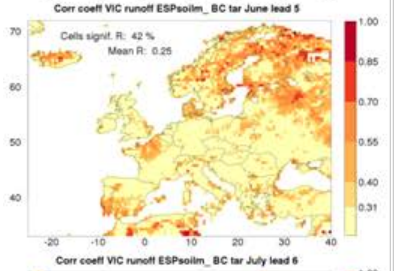


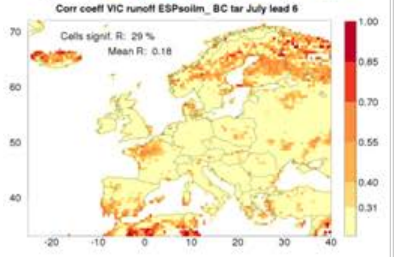




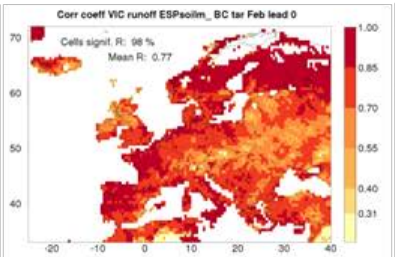


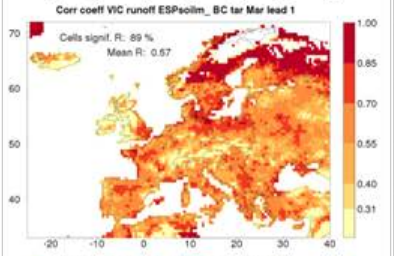


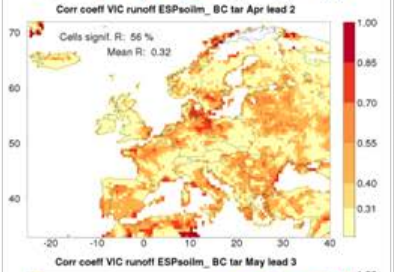


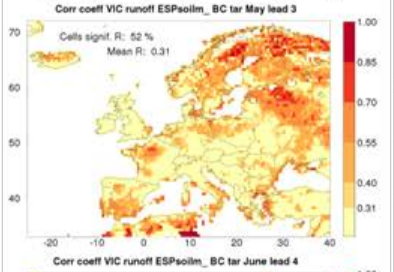


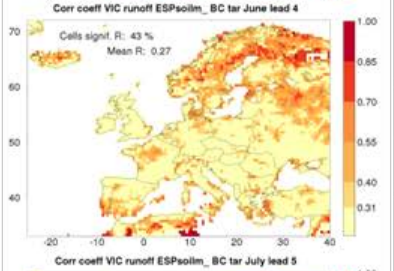
Initialisation February

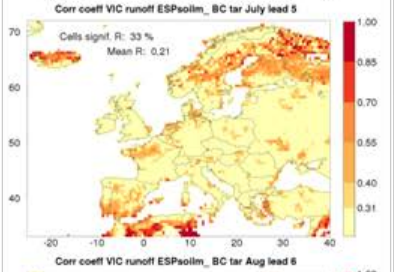


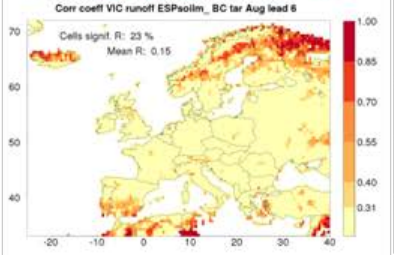












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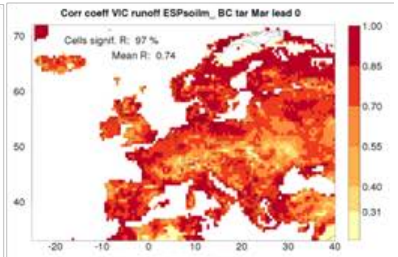
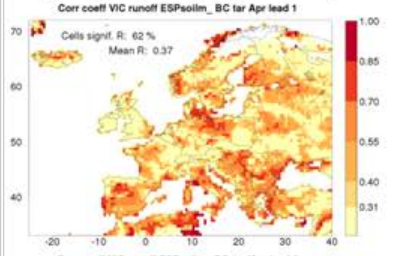
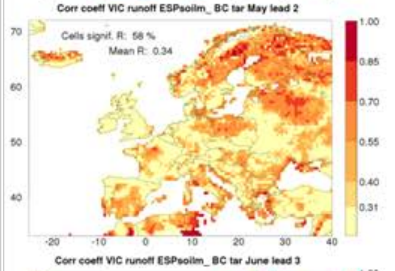
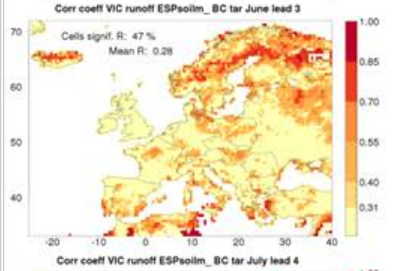
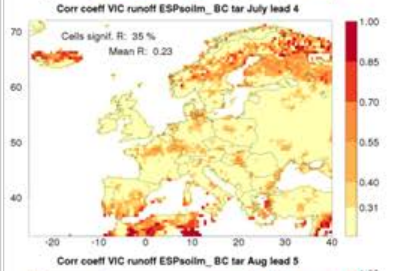
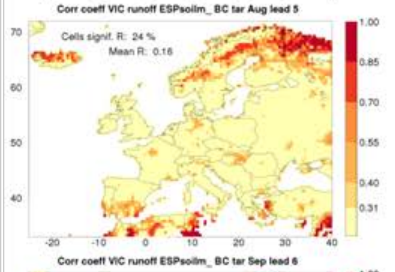


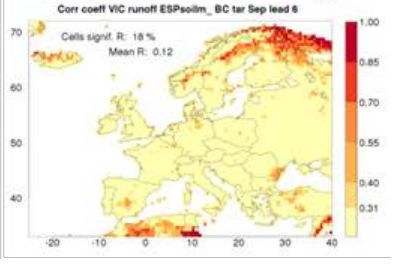




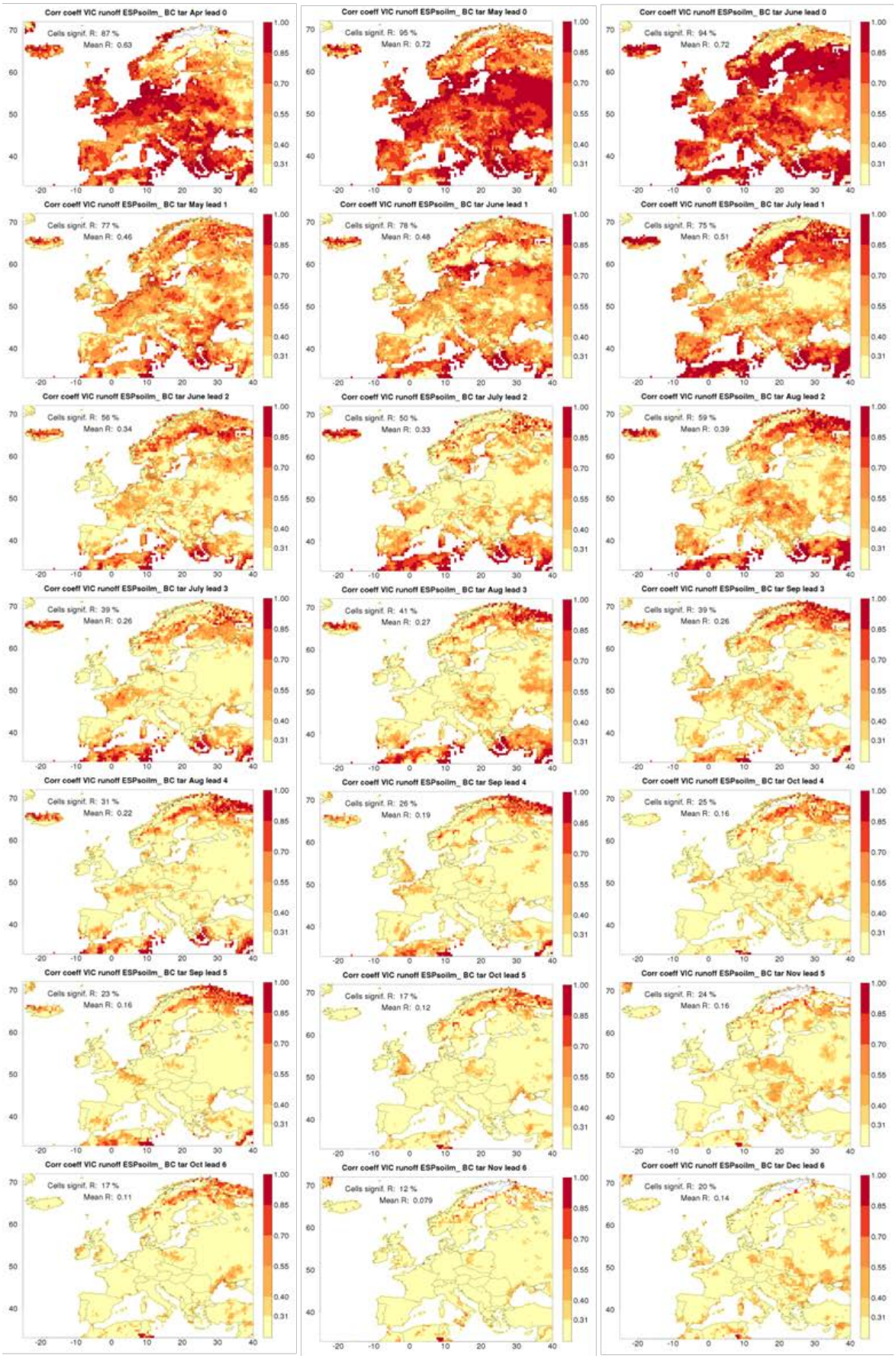




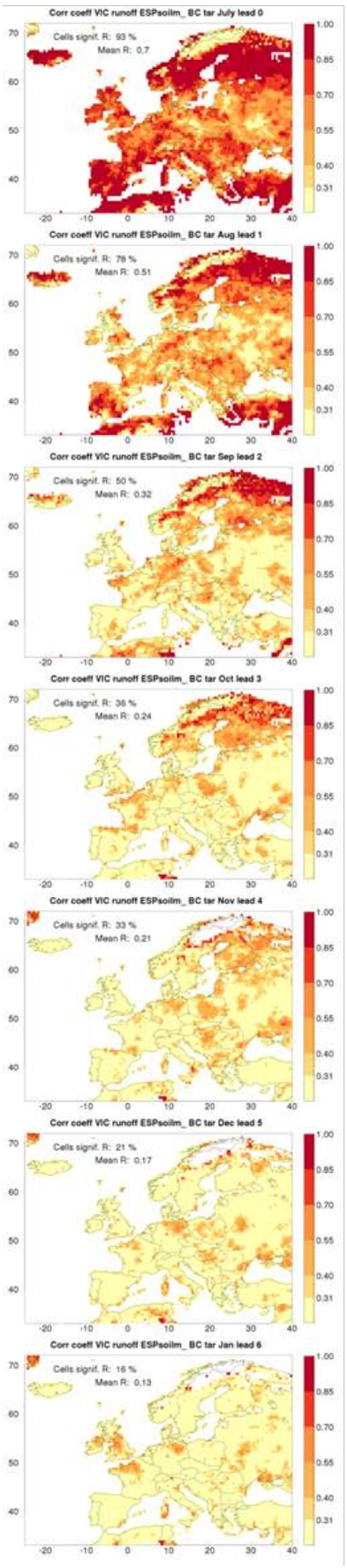


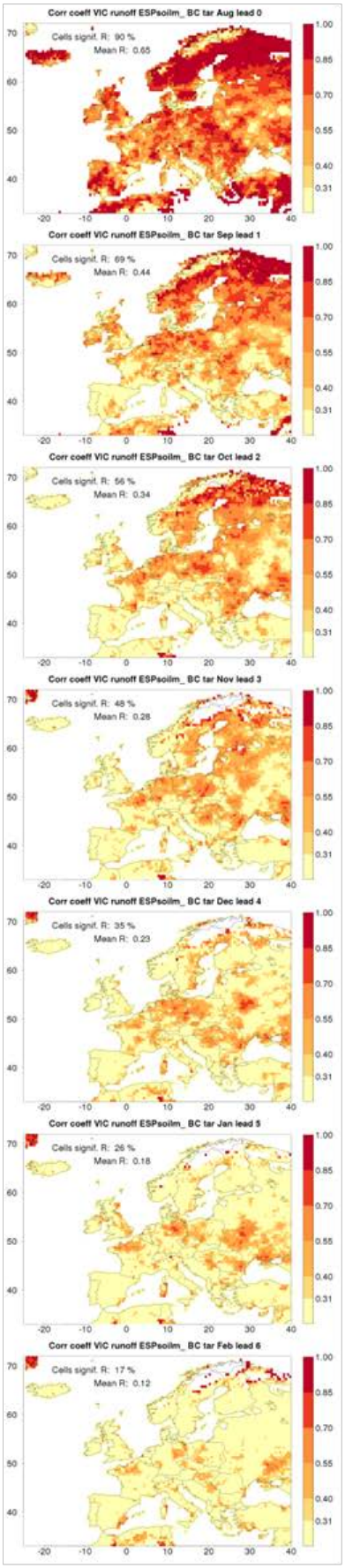


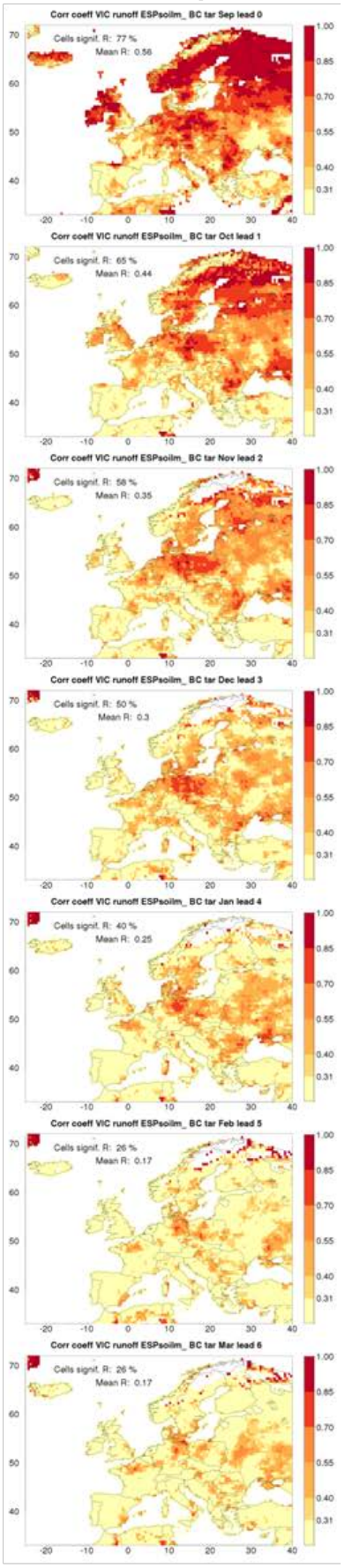
Initialisation April | **Initialisation May** | **Initialisation June**

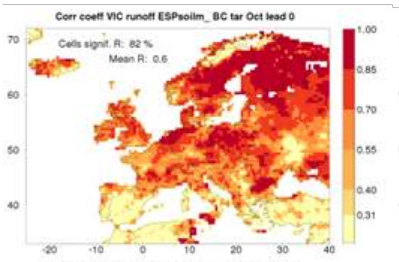
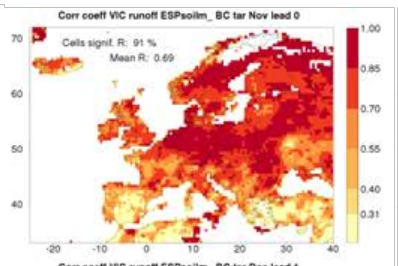
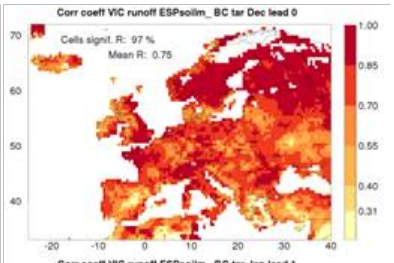
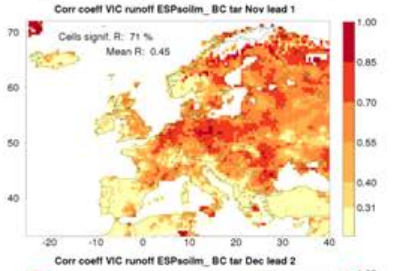
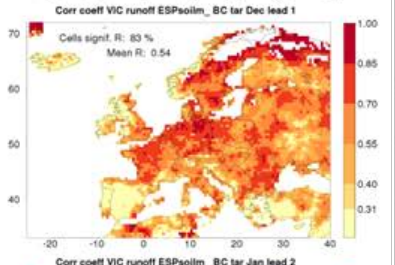
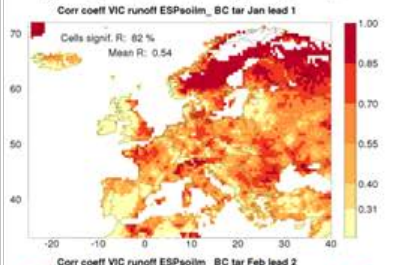
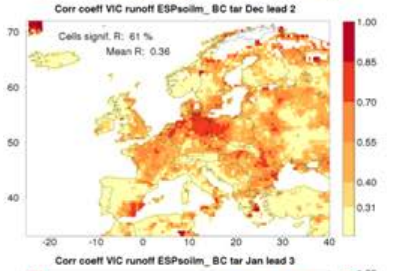
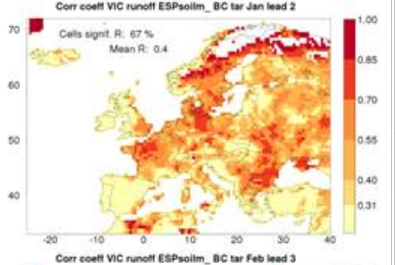
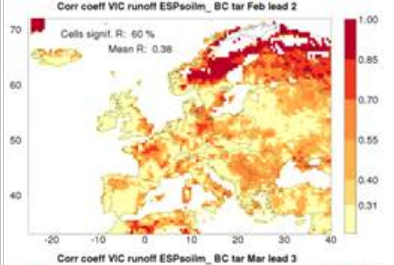
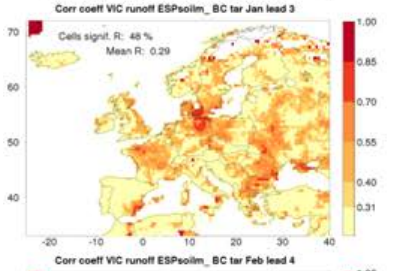
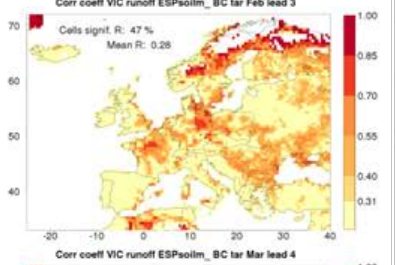
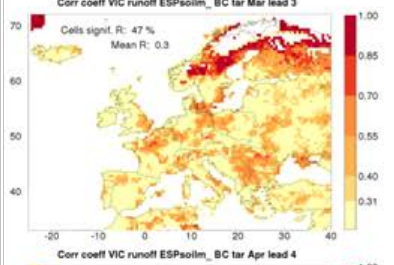
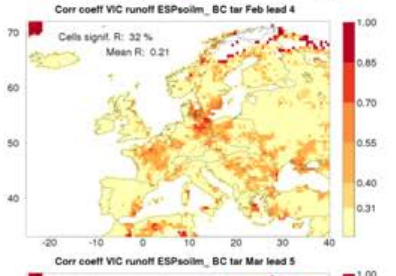
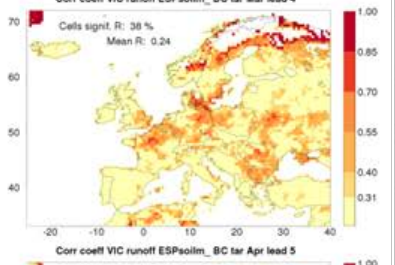
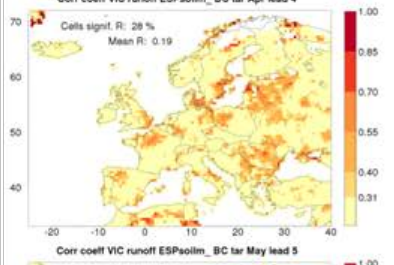
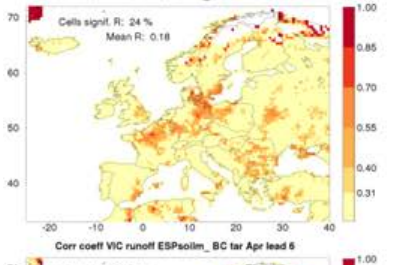
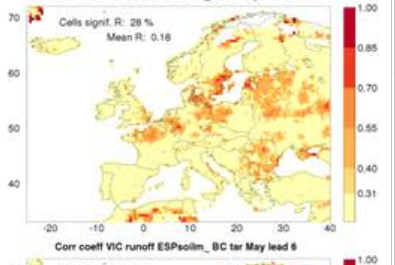
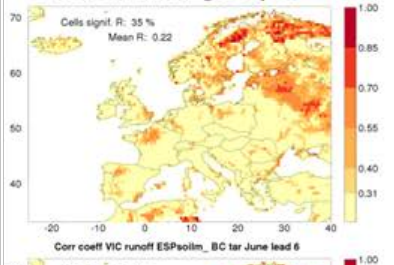
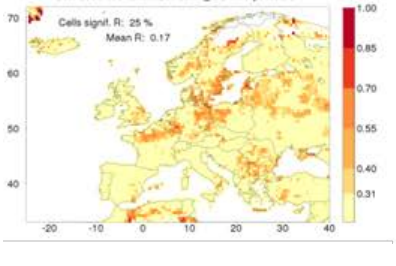
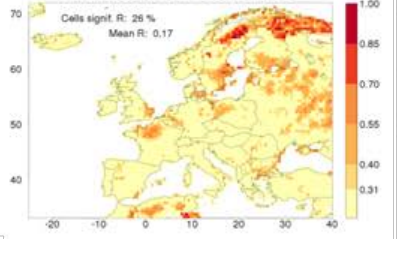
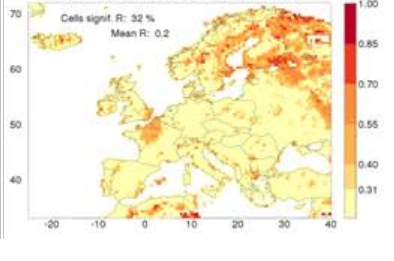


Initialisation July | **Initialisation August** | **Initialisation September**







Initialisation October	Initialisation November	Initialisation December
		
		
		
		
		
		
		

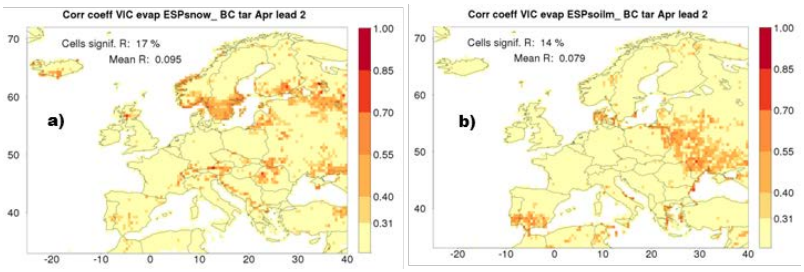


Figure S6: This figure supplements Fig. 10 by mapping the skill in the hindcasts of evapotranspiration for target month April as lead month 2 for the ESPsnow (a) and ESPsoilm (b) experiment.

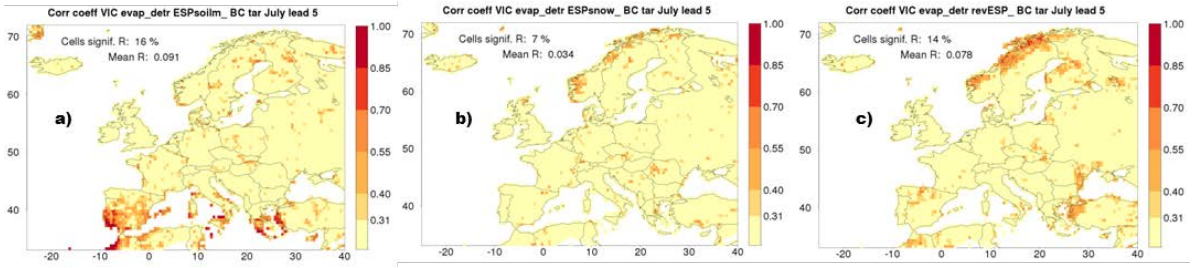


Figure S7: This figure supplements Fig. 11 by mapping the skill in the hindcasts of *detrended* evapotranspiration for target month July as lead month 5. The panels are for different ESP experiments, namely ESPsnow (a), ESPsoilm (b) and revESP (c).